

Alexander Mead

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,795
citations

430442

18
h-index

525886

27
g-index

27
all docs

27
docs citations

27
times ranked

1549
citing authors

#	ARTICLE	IF	CITATIONS
1	An accurate halo model for fitting non-linear cosmological power spectra and baryonic feedback models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 1958-1975.	1.6	279
2	KiDS-450 + 2dFLenS: Cosmological parameter constraints from weak gravitational lensing tomography and overlapping redshift-space galaxy clustering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 4894-4924.	1.6	212
3	CFHTLenS revisited: assessing concordance with Planck including astrophysical systematics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 2033-2052.	1.6	185
4	Accurate halo-model matter power spectra with dark energy, massive neutrinos and modified gravitational forces. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 1468-1488.	1.6	153
5	KiDS-450: testing extensions to the standard cosmological model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 1259-1279.	1.6	144
6	Core Cosmology Library: Precision Cosmological Predictions for LSST. <i>Astrophysical Journal, Supplement Series</i> , 2019, 242, 2.	3.0	130
7	<scp>hmcodes-2020</scp>: improved modelling of non-linear cosmological power spectra with baryonic feedback. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 1401-1422.	1.6	115
8	A search for warm/hot gas filaments between pairs of SDSS Luminous Red Galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 223-234.	1.6	90
9	KiDS-1000 Cosmology: Constraints beyond flat Λ CDM. <i>Astronomy and Astrophysics</i> , 2021, 649, A88.	2.1	80
10	On the road to 1% accuracy: non-linear reaction of the matter power spectrum to dark energy and modified gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 2121-2142.	1.6	67
11	A hydrodynamical halo model for weak-lensing cross correlations. <i>Astronomy and Astrophysics</i> , 2020, 641, A130.	2.1	39
12	Unscreening Modified Gravity in the Matter Power Spectrum. <i>Physical Review Letters</i> , 2015, 114, 251101.	2.9	34
13	Joint constraints on cosmology and the impact of baryon feedback: Combining KiDS-1000 lensing with the thermal Sunyaev-Zeldovich effect from <i>Planck</i> and ACT. <i>Astronomy and Astrophysics</i> , 2022, 660, A27.	2.1	32
14	Surface flux patterns on planets in circumbinary systems and potential for photosynthesis. <i>International Journal of Astrobiology</i> , 2015, 14, 465-478.	0.9	30
15	Spherical collapse, formation hysteresis and the deeply non-linear cosmological power spectrum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 1282-1293.	1.6	29
16	Remapping dark matter halo catalogues between cosmological simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 1233-1247.	1.6	25
17	Rapid simulation rescaling from standard to modified gravity models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 4203-4221.	1.6	21
18	Galaxy cluster mass estimation with deep learning and hydrodynamical simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 3445-3458.	1.6	21

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19	Gravitationally trapped axions on the Earth. <i>Physical Review D</i> , 2019, 100, .	1.6	19
20	Probing hot gas around luminous red galaxies through the Sunyaev-Zeldovich effect. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 2318-2329.	1.6	19
21	Including beyond-linear halo bias in halo models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3095-3111.	1.6	18
22	Probing galaxy bias and intergalactic gas pressure with KiDS Galaxies-tSZ-CMB lensing cross-correlations. <i>Astronomy and Astrophysics</i> , 2021, 651, A76.	2.1	18
23	An analysis of galaxy cluster mis-centring using cosmological hydrodynamic simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 1120-1129.	1.6	11
24	Remapping simulated halo catalogues in redshift space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 3453-3465.	1.6	8
25	Axion quark nugget dark matter: Time modulations and amplifications. <i>Physical Review D</i> , 2020, 101, .	1.6	8
26	Perturbative Gaussianizing transforms for cosmological fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 3190-3203.	1.6	5
27	Impact of cosmological signatures in two-point statistics beyond the linear regime. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 3284-3297.	1.6	3